

Abstract

Drive device for a light-emitting component

5 The invention is based on the object of specifying a drive
device for a light-emitting component in which fluctuations in
the output power of the light-emitting component on account of
measurement errors of the assigned photodetector, in
particular on account of "monitor tracking errors", are
10 avoided.

This object is achieved according to the invention by means of
a drive device (10) for a light-emitting component (20)
- having a reference source (30), which generates a power
15 stipulation signal (UREF1) stipulating a desired light power,
- having a photodetector (40) for measuring the actual light
power of the light-emitting component,
- having a regulating device (50), which is connected to the
photodetector (40) and the reference source (30) and generates
20 a regulating signal (I1), which regulates the light power of
the light-emitting component (20), in such a way that the
deviation between the desired light power and the measured
actual light power becomes minimal, and
- having a correction device (60), which compensates for a
25 temperature-dictated measurement error of the photodetector
(40) by modifying, in a temperature-dependent manner, the
power stipulation signal (UREF1) generated by the reference
source (30).

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Figure 1